# CONTENTS

*JANUARY*


EDITORIAL

1 I: A shame about the patient?
*P. M. Hopkins*

3 II: Aprotinin and renal function in patients undergoing cardiac surgery
*W. H. Hörl*

CLINICAL INVESTIGATIONS

6 Patient satisfaction after anaesthesia and surgery: results of a prospective survey of 10 811 patients
*P. S. Myles, D. L. Williams, M. Hendrata, H. Anderson and A. M. Weeks*

11 Validity and reliability of a postoperative quality of recovery score: the QoR-40
*P. S. Myles, B. Weitkamp, K. Jones, J. Melick and S. Hensen*

16 Aprotinin does not impair renal haemodynamics and function after cardiac surgery
*A. Schweizer, L. Höhn, D. R. Morel, A. Kalangos and M. Licker*

23 A placebo-controlled study of the effects of dopexamine on gastric mucosal perfusion in infants undergoing hypothermic cardiopulmonary bypass
*P. D. Booker and M. Pozzi*

28 Effects of changes in packed cell volume on the specific heat capacity of blood: implications for studies measuring heat exchange in extracorporeal circuits
*A. S. T. Blake, G. W. Petley and C. D. Deakin*

33 Increasing isoflurane concentration may cause paradoxical increases in the EEG bispectral index in surgical patients
*O. Detsch, G. Schneider, E. Kochs, G. Hapfelmeier and C. Werner*

38 Behaviour of near-infrared light in the adult human head: implications for clinical near-infrared spectroscopy
*A. E. R. Young, T. J. Germon, N. J. Barnett, A. R. Manara and R. J. Nelson*

43 Rocuronium potency and recovery characteristics during steady-state desflurane, sevoflurane, isoflurane or propofol anaesthesia
*M. Bock, K. Klippel, B. Nitsche, A. Bach, E. Martin and J. Motsch*

48 Single-dose ketorolac and pethidine in acute postoperative pain: systematic review with meta-analysis
*L. A. Smith, D. Carroll, J. E. Edwards, R. A. Moore and H. J. McQuay*

59 Hyperbaric bupivacaine for spinal anaesthesia in 7–18 yr old children: comparison of bupivacaine 5 mg $ml^{-1}$ in 0.9% and 8% glucose solutions
*H. Kokki and H. Hendolin*

63 Fentanyl augments block of sympathetic responses to skin incision during sevoflurane anaesthesia in children
*T. Katoh, S. Kobayashi, A. Suzuki, S. Kato, T. Iwamoto, H. Bito and S. Sato*

LABORATORY INVESTIGATION

67 Microdialysis study of the blood-brain equilibration of thiopental enantiomers
*L. E. Mather, S. R. Edwards, C. C. Duke and M. J. Cousins*

REVIEW ARTICLE

74 Gastrointestinal luminal $Pco_2$ tonometry: an update on physiology, methodology and clinical applications
*J. J. Kolkman, J. A. Otte and A. B. J. Groeneveld*

SHORT COMMUNICATIONS

87 Wound infiltration with bupivacaine after surgery to the cervical spine using a posterior approach
*L. H. Pobereskin and J. R. Sneyd*

89 Comparison of 1% ropivacaine with 0.75% bupivacaine and 2% lidocaine for peribulbar anaesthesia
*G. Nicholson, B. Sutton and G. M. Hall*

92 Effects of respiratory and metabolic pH changes and hypoxia on ropivacaine-induced cardiotoxicity in dogs
*J. M. Porter, F. Markos, H. M. Snow and G. D. Shorten*

95 I.v. regional diamorphine for analgesia after foot surgery
*M. G. Serpell, E. Anderson, D. Wilson and N. Dawson*

97 Analgesic action of i.v. morphine-6-glucuronide in healthy volunteers
*T. M. Buetler, O. H. G. Wilder-Smith, C. H. Wilder-Smith, S. Aebi, T. Cerny and R. Brenneisen*

100 Comparison of different doses of remifentanil on the cardiovascular response to laryngoscopy and tracheal intubation
*A. P. Hall, J. P. Thompson, N. A. P. Leslie, A. J. Fox, N. Kumar and D. J. Rowbotham*

103 Comparison of laryngeal mask and intubating laryngeal mask insertion by the naïve intubator
*A. Choyce, M. S. Avidan, C. Patel, A. Harvey, C. Timberlake, N. McNeilis and E. Glucksman*

106 Pain on injection of rocuronium: influence of two doses of lidocaine pretreatment
*K. F. Cheong and W. H. Wong*

CASE REPORTS

108 Histaminoid reactions associated with rocuronium
*S. McD. Neal, P. R. Manthri, V. Gadiyar and J. A. W. Wildsmith*

112 Fatal paradoxical air embolism during liver transplantation
*L. Olmedilla, I. Garutti, J. Pérez-Peña, J. Sanz, E. Teigell and M. Avellanal*

115 Tension pneumocephalus after neurosurgery in the supine position
*G. C. Satapathy and H. H. Dash*

118 Severe vasovagal attack during regional anaesthesia for Caesarean section
*E. J. Watkins, M. Dresner and C. E. Calow*

HISTORY

121 The Woolley and Roe case
*J. R. Maltby, C. D. D. Hutter and K. C. Clayton*

127 CORRESPONDENCE

129 BOOK REVIEWS

130 ERRATUM

131 EXTENDED GUIDE TO CONTRIBUTORS

*FEBRUARY*

EDITORIALS

139 I: Fractured femur in the elderly: intensive perioperative care is warranted
*N. E. Sharrock*

141 II: Anaesthesia and the nitric oxide–cyclic GMP pathway in the central nervous system
*H. F. Galley*

CLINICAL INVESTIGATIONS

144 Effect of continuous epidural 0.2% ropivacaine *vs* 0.2% bupivacaine on postoperative pain, motor block and gastrointestinal function after abdominal hysterectomy
*H. Jørgensen, J. S. Fomsgaard, J. Dirks, J. Wetterslev and J. B. Dahl*

151 Effect of meloxicam on postoperative pain after abdominal hysterectomy
*J. P. Thompson, P. Sharpe, S. Kiani and O. Owen-Smith*

155 Differential effects of systemically administered ketamine and lidocaine on dynamic and static hyperalgesia induced by intradermal capsaicin in humans
*H. Gottrup, P. O. Hansen, L. Arendt-Nielsen and T. S. Jensen*

163 Effect of alkalinization of lidocaine on median nerve block
*D. G. Ririe, F. O. Walker, R. L. James and J. Butterworth*

169 Postoperative pain management and recovery after remifentanil-based anaesthesia with isoflurane or propofol for major abdominal surgery
*E. Kochs, D. Côte, L. Deruyck, V. Rauhala, M. Puig, E. Polati, J. Verbist, B. Upadhyaya, C. Haigh and the Remifentanil Study Group*

174 Comparison of the incidence of complications at induction and emergence in infants receiving oral atropine vs no premedication
*C. A. Shaw, A. A. Kelleher, C. P. Gill, L. J. Murdoch, R. H. Stables and A. E. Black*

179 Anaesthetic complications of acromegaly
*P. A. Seidman, W. A. Kofke, R. Policare and M. Young*

LABORATORY INVESTIGATIONS

183 NOx– concentrations in the rat hippocampus and striatum have no direct relationship to anaesthesia induced by ketamine
*J. Wu, T. Kikuchi, Y. Wang, K. Sato and F. Okumura*

190 The neuronal nitric oxide synthase inhibitor 7-nitroindazole (7-NI) and morphine act independently on the control of breathing
*L. Teppema, E. Sarton, A. Dahan and C. N. Olievier*

197 Biologically variable ventilation prevents deterioration of gas exchange during prolonged anaesthesia
*W. A. C. Mutch, G. M. Eschun, S. E. Kowalski, M. R. Graham, L. G. Girling and G. R. Lefevre*

204 Fentanyl protects the heart against ischaemic injury via opioid receptors, adenosine $A_1$ receptors and $K_{ATP}$ channel linked mechanisms in rats
*R. Kato, S. Ross and P. Foëx*

215 Halothane attenuates the endothelial $Ca^{2+}$ increase and vasorelaxation of vascular smooth muscle in the rat aorta
*H. Tsuchida, S. Seki, S. Tanaka, K. Okazaki and A. Namiki*

221 Effects of xenon on cerebral blood flow and autoregulation: an experimental study in pigs
*H. Fink, M. Blobner, R. Bogdanski, F. Hänel, C. Werner and E. Kochs*

REVIEW ARTICLE

226 Measurement of blood volume in surgical and intensive care practice
*J. G. Jones and C. A. J. Wardrop*

SHORT COMMUNICATIONS

236 EEG controlled rapid opioid withdrawal under general anaesthesia
*M. Hensel, S. Wolter and W. J. Kox*

239 Use of microalbuminuria as a predictor of outcome in critically ill patients
*K. L. MacKinnon, Z. Molnar, D. Lowe, I. D. Watson and E. Shearer*

242 Do blood concentrations of neurone specific enolase and S-100β protein reflect cognitive dysfunction after abdominal surgery?
*L. S. Rasmussen, M. Christiansen, H. Rasmussen, P. A. Kristensen, J. T. Moller and the ISPOCD group*

245 Adenosine potentiation of neuromuscular blocking agents in guinea-pigs
*K. Nitahara, P. Kornak, H. Nagashima, E. S. Vizi, F. F. Foldes and K. Dan*

248 Infiltration of the abdominal wall with local anaesthetic after total abdominal hysterectomy has no opioid-sparing effect
*J. R. Klein, J. P. Heaton, J. P. Thompson, B. R. Cotton, A. C. Davidson and G. Smith*

250 Propofol decreases stimulated dopamine release in the rat nucleus accumbens by a mechanism independent of dopamine $D_2$, $GABA_A$ and NMDA receptors
*D. Schulte, L. F. Callado, C. Davidson, P. E. M. Phillips, N. Roewer, J. Schulte am Esch and J. A. Stamford*

254 The intubating laryngeal mask airway does not facilitate tracheal intubation in the presence of a neck collar in simulated trauma
*H. G. Wakeling and J. Nightingale*

257 Retrograde nasotracheal intubation with a new tracheal tube: a feasibility study
*F. Agrò, J. Brimacombe, D. J. Doyle, L. Marchionni and R. Cataldo*

CASE REPORTS

260 Surgery for a fractured femur and elective ICU admission at 113 yr of age
*C. D. Oliver, S. A. White and M. W. Platt*

263 Thoracic paravertebral block: radiological evidence of contralateral spread anterior to the vertebral bodies
*M. K. Karmakar, W. H. Kwok and J. Kew*

COMMENTARY

266 Self-citations in six anaesthesia journals and their significance in determining the impact factor
*A. Fassoulaki, A. Paraskeva, K. Papilas and G. Karabinis*

ABSTRACTS

270P Proceedings of the Anaesthetic Research Society Meeting, University of Edinburgh, November 11–12, 1999

289 CORRESPONDENCE

296 BOOK REVIEWS

298 ACKNOWLEDGEMENT OF ASSESSORS

*MARCH*

EDITORIALS

301 I: Postoperative residual curarization and evidence-based anaesthesia
*J. Viby-Mogensen*

304 II: Neuropsychometric deficit after cardiac surgery: a new approach for a new millennium
*M. Nevin*

308 III: Placement of double lumen tubes—time to shed light on an old problem
*S. H. Pennefather and G. N. Russell*

CLINICAL INVESTIGATIONS

311 Effect of chronic intercurrent medication with β-adrenoceptor blockade or calcium channel entry blockade on postoperative silent myocardial ischaemia
*J. W. Sear, P. Foex and S. J. Howell*

316 Effect of midazolam on transfer function between beat-to-beat arterial pressure and inter-beat interval length
*H. Schächinger, B. U. Müller, W. Strobel, J. Drewe and R. Ritz*

323 Biphasic changes in autonomic nervous activity during pregnancy
*C.-D. Kuo, G.-Y. Chen, M.-J. Yang, H.-M. Lo and Y.-S. Tsai*

330 Transoesophageal echocardiographic assessment of haemodynamic changes during laparoscopic herniorrhaphy in small children
*S. G. Sakka, E. Huettemann, G. Petrat, A. Meier-Hellmann, F. Schier and K. Reinhart*

335 Oral preanaesthetic medication for children: double-blind randomized study of a combination of midazolam and ketamine *vs* midazolam or ketamine alone
*W. Funk, W. Jakob, T. Riedl and K. Taeger*

341 S(+)-Ketamine for caudal block in paediatric anaesthesia
*P. Marhofer, C. G. Krenn, W. Plöchl, T. Wallner, C. Glaser, H. Koinig, E. Fleischmann, A. Höchtl and M. Semsroth*

346 Pharmacokinetics of tramadol in children after i.v. or caudal epidural administration
*B. V. S. Murthy, K. S. Pandya, P. D. Booker, A. Murray, W. Lintz and R. Terlinden*

350 Comparison of compound A concentrations with sevoflurane anaesthesia using a closed system with a PhysioFlex anaesthesia machine *vs* a low-flow system with a conventional anaesthesia machine
*H. Bito, A. Suzuki, Y. Sanjo, T. Katoh and S. Sato*

354 Effects of the sitting position on the distribution of blood volume in patients undergoing neurosurgical procedures
*W. Buhre, A. Weyland, K. Buhre, S. Kazmaier, K. Mursch, M. Schmidt, M. Sydow and H. Sonntag*

358 Effects of fenoterol and ipratropium on respiratory resistance of asthmatics after tracheal intubation
*R. S. C. Wu, K. C. Wu, T. K. M. Wong, Y. H. Tsai, R. K. S. Cheng, M. J. Bishop and P. P. C. Tan*

363 Effect of cricoid pressure on insertion of and ventilation through the cuffed oropharyngeal airway
*R. M. Dravid, P. Reed, M. Stoneham and M. T. Popat*

367 Efficacy of ginger for nausea and vomiting: a systematic review of randomized clinical trials
*E. Ernst and M. H. Pittler*

LABORATORY INVESTIGATION

372 Effects of halothane on respiratory mechanics and lung histopathology in normal rats
*G. S. Reta, J. A. Riva, H. Piriz, A. S. Medeiros, P. R. M. Rocco and W. A. Zin*

REVIEW ARTICLE

378 Central nervous system complications of cardiac surgery
*J. E. Arrowsmith, H. P. Grocott, J. G. Reves and M. F. Newman*

SHORT COMMUNICATIONS

394 Residual curarization in the recovery room after vecuronium
*C. Baillard, G. Gehan, J. Reboul-Marty, P. Larmignat, C. M. Samama and M. Cupa*

396 Effect of intraoperative angiotensin-converting enzyme inhibition by quinaprilat on hypertension after coronary artery surgery
*M. Müller, E. Schindler, M. Kwapisz, S. Klemm, H. Akintürk, M. Heidt and G. Hempelmann*

399 Warm air sensation for assessment of block after spinal anaesthesia
*J. Shah, B. T. Ayorinde, D. J. Rowbotham and D. J. Buggy*

CASE REPORTS

401 Caudal clonidine for postoperative analgesia in adults
*A. C. Van Elstraete, F. Pastureau, T. Lebrun and H. Mehdaoui*

404 Preparation for regional anaesthesia induces changes in thrombelastography
*H. Gorton, G. Lyons and P. Manraj*

406 Rectally administered dimenhydrinate reduces postoperative vomiting in children after strabismus surgery
*A. Schlager, G. Mitterschiffthaler and F. Pühringer*

408 Postpartum headache after epidural blood patch: investigation and diagnosis
*G. M. Stocks, D. J. A. Wooller, J. M. Young and R. Fernando*

412 Patient-controlled analgesia in labour using remifentanil in two parturients with platelet abnormalities
*J. A. Thurlow and P. Waterhouse*

415 Safe use of remifentanil in a patient treated with the monoamine oxidase inhibitor phenelzine
*D. S. Ure, M. A. Gillies and K. S. James*

417 CORRESPONDENCE

425 BOOK REVIEWS

428 ERRATUM

*APRIL*

EDITORIALS

429 I: Hot air or full steam ahead? An empirical pharmacokinetic model of potent inhalational agents
*T. Bouillon and S. L. Shafer*

432 II: Assessment of clinical competence
*D. I. Newble*

434 III: 2000 – Time to apply Occam's razor to failure of hypoxic pulmonary vasoconstriction during one lung ventilation
*I. D. Conacher*

CLINICAL INVESTIGATIONS

437 Pharmacokinetics of inhaled anaesthetics in a clinical setting: description of a novel method based on routine monitoring data
*S. Rietbrock, H. Wissing, I. Kuhn and U. Fuhr*

443 Pharmacokinetics of inhaled anaesthetics in a clinical setting: comparison of desflurane, isoflurane and sevoflurane
*H. Wissing, I. Kuhn, S. Rietbrock and U. Fuhr*

450 General *versus* regional anaesthesia for hip fracture surgery: a meta-analysis of randomized trials
*S. C. Urwin, M. J. Parker and R. Griffiths*

456 Novel bioadhesive delivery system for percutaneous local anaesthesia
*D. F. McCafferty, A. D. Woolfson and G. P. Moss*

459 Prophylactic antiemetic effect of dexamethasone in women undergoing ambulatory laparoscopic surgery
*J. J. Wang, S. T. Ho, H. S. Liu and C. M. Ho*

463 Acupressure and prevention of nausea and vomiting during and after spinal anaesthesia for Caesarean section
*D. Harmon, M. Ryan, A. Kelly and M. Bowen*

LABORATORY INVESTIGATION

468 Continuous measurements of microcirculatory blood flow in gastrointestinal organs during acute haemorrhage
*V. Krejci, L. Hiltebrand, A. Banic, D. Erni, A. M. Wheatley and G. H. Sigurdsson*

REVIEW ARTICLE

476 P2X receptors in sensory neurones
*G. Burnstock*

SHORT COMMUNICATIONS

489 Randomized placebo-controlled trial to assess the effect of remifentanil and propofol on bispectral index and sedation
*A. N. Strachan and N. D. Edwards*

491 Role of dominant hand position during external cardiac compression
*P. Kundra, S. Dey and M. Ravishankar*

494 Epidural top-up solutions for emergency Caesarean section: a comparison of preparation times
*D. N. Lucas, P. J. Borra and S. M. Yentis*

497 *In vitro* validation of gastric air tonometry using perfluorocarbon FC 43 and 0.9% sodium chloride
*J. Graf, B. Königs, K. Mottaghy and U. Janssens*

CASE REPORTS

500 Malignant hyperthermia in infancy and identification of a novel RYR1 mutation
*D. Chamley, N. A. Pollock, K. M. Stowell and R. L. Brown*

505 Intratracheal recombinant human deoxyribonuclease in acute life-threatening asthma refractory to conventional treatment
*A. Patel, E. Harrison, A. Durward and I. A. Murdoch*

508 Monitoring equipment induced tachycardia in patients with minute ventilation rate-responsive pacemakers
*P. A. Southorn, G. S. Kamath, G. M. Vasdev and D. L. Hayes*

510 Stunned myocardium after hip arthroplasty
*M. Mizogami, K. Shimo, T. Taguchi and Y. Horita*

514 Spinal cord infarction and tetraplegia — rare complications of meningococcal meningitis
*R. O'Farrell, J. Thornton, P. Brennan, F. Brett and A. J. Cunningham*

518 Cranial subdural haematoma associated with dural puncture in labour
*D. J. A. Vaughan, C. A. Stirrup and P. N. Robinson*

521 Delayed bilateral internal carotid artery thrombosis following accidental strangulation
*S. H. Kiani and D. C. Simes*

COMMENTARY

525 Watching anaesthetists work: using the professional judgement of consultants to assess the developing clinical competence of trainees
*J. D. Greaves and J. Grant*

534 CORRESPONDENCE

541 BOOK REVIEWS

*MAY*

EDITORIAL

547 I: Opioids in paediatric cardiac anaesthesia
*P. D. Booker*

549 II: Off-pump coronary artery surgery and the brain
*R. P. Alston*

552 III: Qualitative research in health care
*A. F. Merry, J. M. Davies and J. R. Maltby*

CLINICAL INVESTIGATIONS

556 Reducing stress responses in the pre-bypass phase of open heart surgery in infants and young children: a comparison of different fentanyl doses
*H. P. Duncan, A. Cloote, P. M. Weir, I. Jenkins, P. J. Murphy, A. K. Pawade, C. A. Rogers and A. R. Wolf*

565 Inspired oxygen fraction after cardiopulmonary bypass: effects on pulmonary function with regard to endothelin-1 concentrations and venous admixture
*A. Reber, B. Budmiger, M. Wenk, W. E. Haefeli, T. Wolff, T. Bein and K. Skarvan*

571 Assessment of the adequacy of systemic and regional perfusion after cardiac surgery
*S. M. Jakob, E. Ruokonen and J. Takala*

578 Myocardial consequences of remifentanil in patients with coronary artery disease
*S. Kazmaier, G.-G. Hanekop, W. Buhre, A. Weyland, T. Busch, O. C. Radke, R. Zoelffel and H. Sonntag*

584 Severe carbon monoxide poisoning: outcome after hyperbaric oxygen therapy
*M. Hawkins, J. Harrison and P. Charters*

587 Dose requirements of infusions of cisatracurium or rocuronium during hypothermic cardiopulmonary bypass
*G. Cammu, J. Coddens, J. Hendrickx and T. Deloof*

591 A detailed analysis of theatre training activity in a UK teaching hospital
*A. K. McIndoe and S. M. Underwood*

LABORATORY INVESTIGATIONS

596 Chemiluminescence underestimates nitric oxide concentration in the presence of potent inhalation anaesthetics
*R. Liu, Y. Ishibe, N. Okazaki and K. Kimura*

600 Comparison of exogenous surfactant and positive end-expiratory pressure therapies in a model of human breast milk-induced acute lung injury in rabbits
*C. Chin, B. O'Hare, J. Lerman and J. Endo*

608 Fentanyl reduces infarction but not stunning via δ-opioid receptors and protein kinase C in rats
*R. Kato and P. Foëx*

REVIEW ARTICLE

615 Thermoregulation, mild perioperative hypothermia and post-anaesthetic shivering
*D. J. Buggy and A. W. A. Crossley*

SHORT COMMUNICATIONS

629 Reduced cerebral embolic signals in beating heart coronary surgery detected by transcranial Doppler ultrasound
*M. P. R. Watters, A. M. Cohen, C. R. Monk, G. D. Angelini and I. G. Ryder*

631 Effects of isoflurane, sevoflurane and propofol anaesthesia on jugular venous oxygen saturation in patients undergoing coronary artery bypass surgery
*K. Nandate, A. Vuylsteke, I. Ratsep, S. Messahel, A. Oduro-Dominah, D. K. Menon and B. F. Matta*

633 Effect of anaesthesia on the cardiac response to intravenous adenosine
*N. J. Morgan-Hughes and K. M. Sherry*

635 Carbon dioxide elimination during high-frequency jet ventilation for rigid bronchoscopy
*P. Biro, M. Layer, K. Wiedemann, B. Seifert and D. R. Spahn*

638 Cp50 of propofol with and without nitrous oxide 67%
*P. C. Stuart, S. M. Stott, A. Millar, G. N. C. Kenny and D. Russell*

CASE REPORTS

640 Anticoagulant-induced pseudothrombocytopenia in a patient presenting for coronary artery bypass grafting
*N. J. Wilkes, N. A. Smith and S. V. Mallett*

643 Oesophageal perforation following perioperative transoesophageal echocardiography
*S. R. Massey, A. Pitsis, D. Mehta and M. Callaway*

646 Mallory–Weiss tear following cardiac surgery: transoesophageal echoprobe or nasogastric tube?
*A. J. De Vries, J. M. A. A. van der Maaten and R. R. P. Laurens*

EQUIPMENT

650 The LMA 'ProSeal'—a laryngeal mask with an oesophageal vent
*A. I. J. Brain, C. Verghese and P. J. Strube*

COMMENTARY

655 Evidence-based medicine and the Cochrane Collaboration in anaesthesia
*A. M. Møller, A. F. Smith and T. Pedersen*

ABSTRACTS

659P Proceedings of the Intensive Care Society and Riverside Group 'State of the Art' Meeting, London, December 9–10, 1999

693 CORRESPONDENCE

699 BOOK REVIEWS

703 ERRATUM

*JUNE*

EDITORIAL

705 I: Spinal cord injury and direct laryngoscopy – the legend lives on
*A. D. M. McLeod and I. Calder*

709 II: The effects of regional analgesia on the progress of labour and delivery
*R. Russell*

713 III: Sedation of children by non-anaesthetists
*D. J. Hatch and M. R. J. Sury*

CLINICAL INVESTIGATIONS

715 Randomized controlled comparison of epidural bupivacaine *versus* pethidine for analgesia in labour
*B. A. Loughnan, F. Carli, M. Romney, C. J. Doré and H. Gordon*

720 Epidural ropivacaine with fentanyl following major gynaecological surgery: the effect of volume and concentration on pain relief and motor impairment
*R. Whiteside, D. Jones, S. Bignell, C. Lang and S. K. Lo*

725 Caesarean section for placenta praevia: a retrospective study of anaesthetic management
*N. Parekh, S. W. U. Husaini and I. F. Russell*

731 Does wound irrigation with triamcinolone reduce pain after surgery to the lumbar spine?
*L. H. Pobereskin and J. R. Sneyd*

735 Breath interval as a measure of dynamic opioid effect
*J. A. Smart, E. J. Pallett and D. J. R. Duthie*

739 Comparison of ketamine and morphine for analgesia after tonsillectomy in children
*R. J. Marcus, B. A. Victoria, S. C. Rushman and J. P. Thompson*

743 Sedation and general anaesthesia in children undergoing MRI and CT: adverse events and outcomes
*S. Malviya, T. Voepel-Lewis, O. P. Eldevik, D. T. Rockwell, J. H. Wong and A. R. Tait*

749 Fentanyl and midazolam anaesthesia for coronary bypass surgery: a clinical study of bispectral electroencephalogram analysis, drug concentrations and recall
*G. Barr, R. E. Anderson, S. Samuelsson, A. Öwall and J. G. Jakobsson*

753 Haemodynamic effects of the lateral decubitus position and the kidney rest lateral decubitus position during anaesthesia
*M. Yokoyama, W. Ueda and M. Hirakawa*

758 Do fluid administration and reduction in norepinephrine dose improve global and splanchnic haemodynamics?
*S. G. Sakka, A. Meier-Hellmann and K. Reinhart*

763 Serum myoglobin and creatine kinase following surgery
*A. S. Laurence*

767 Ignorance of post-exposure prophylaxis guidelines following HIV needlestick injury may increase the risk of seroconversion
*P. Diprose, C. D. Deakin and J. Smedley*

LABORATORY INVESTIGATIONS

771 Effects of propofol on functional activities of hepatic and extrahepatic conjugation enzyme systems
*T. L. Chen, C. H. Wu, T. G. Chen, Y. T. Tai, H. C. Chang and C. J. Lin*

777 Vagally mediated sympathoexcitation and central depression by desflurane in rabbits
*C. K. Pac-Soo, C. Wang, D. Ma, M K. Chakrabarti and J. G. Whitwam*

REVIEW ARTICLE

783 Volume replacement in the surgical patient—does the type of solution make a difference?
*J. Boldt*

SHORT COMMUNICATION

794 Intravenous clonidine infusion in critically ill children: dose-dependent sedative effects and cardiovascular stability
*C. Ambrose, S. Sale, R. Howells, C. Bevan, I. Jenkins, P. Weir, P. Murphy and A. Wolf*

CASE REPORTS

797 Complications from regional anaesthesia for carotid endarterectomy
*A. Carling and M. Simmonds*

800 Transthoracic echocardiography for perioperative haemodynamic monitoring
*M. Filipovic, M. D. Seeberger, M. C. Schneider, M. Schmid, H. Pargger, P. Hunziker and K. Skarvan*

803 Successful resuscitation from recurrent ventricular fibrillation secondary to butane inhalation
*K. E. Edwards and R. Wenstone*

806 Management of complications of tracheal surgery—a case of dehiscence
*C. D. Rigg, I. D. Conacher, M. L. Paes and C. J. Hilton*

808 Microalbuminuria following anaphylaxis with general anaesthesia
*P. R. Wood, P. Gosling and M. C. Cook*

EQUIPMENT

811 Laboratory assessment of the Bird T-Bird VS ventilator performance using a model lung
*L. S. S. Wong and N. M. McGuire*

COMMENTARY

818 Recommendations for uniform reporting of data following major trauma–the Utstein style. An International Trauma Anaesthesia and Critical Care Society (ITACCS) initiative
*W. F. Dick, P. J. F. Baskett, C. Grande, H. Delooz, W. Kloeck, C. Lackner, M. Lipp, W. Mauritz, M. Nerlich, J. Nicholl, J. Nolan, P. Oakley, M. Parr, A. Seekamp, E. Soreide, P. A. Steen, L. van Camp, B. Wolcke and D. Yates*

820 CORRESPONDENCE

831 BOOK REVIEWS

833 ERRATUM

834 INDEX TO VOLUME 84